

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/05146

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B05B1/08 F15C1/14 F15C1/16 B05B1/34 B05B17/08		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B05B F15C A01G G01P B05C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 222 856 A (BOSCH GMBH ROBERT) 18 October 1974 (1974-10-18) page 2, line 28 - page 3, line 31 page 6, line 20 - page 7, line 10 claims; figures	1-4, 6, 7, 9, 27
Y		5, 10, 11, 19-24, 49-51
A		8
X	US 3 776 460 A (FICHTER B) 4 December 1973 (1973-12-04) column 1, line 46 - line 56 column 2, line 1 - line 39 claims; figures	1, 6, 7, 9, 27
	-/-	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 10 June 2004		Date of mailing of the international search report 21 JUN 2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Roldán, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 3 595 479 A (FREEMAN PETER A) 27 July 1971 (1971-07-27) column 2, line 29 - line 64 -----	1,2,6,7, 27 35-43
X	US 3 267 946 A (ADAMS ROBERT B ET AL) 23 August 1966 (1966-08-23) column 3, line 33 - column 4, line 15 figure 5 -----	1,2,6,7, 27
X A	DE 202 10 103 U (HAASE FRANK) 24 October 2002 (2002-10-24) the whole document -----	28,31-34 29,30
X A	FR 2 392 596 A (LAGRANDIERE MARC DE) 29 December 1978 (1978-12-29) page 2, paragraphs 2,3 page 4, paragraph 4-6 figures -----	28,33,34 17,18
X	US 4 978 066 A (FULLER MARK W ET AL) 18 December 1990 (1990-12-18) columns 2-5 claim 10 -----	28,29,34
X	GB 1 318 992 A (BOWLES FLUIDICS CORP) 31 May 1973 (1973-05-31) the whole document -----	28,30,34
X Y	DE 44 39 437 A (STIHL MASCHF ANDREAS) 9 May 1996 (1996-05-09) column 5, line 4 - line 13 figures 3,4 -----	44,45, 47,48 21,22,51
X Y	US 3 605 778 A (METZGER ERIC E) 20 September 1971 (1971-09-20) column 5, line 27 - column 6, line 29 figures 3,4 -----	44-47 19,20,51
X	US 3 228 410 A (SWARTZ ELMER L ET AL) 11 January 1966 (1966-01-11) the whole document -----	44
X Y	US 4 955 547 A (WOODS ROBERT L) 11 September 1990 (1990-09-11) column 5, line 30 - column 6, line 29 figure 3 -----	44 21
Y	US 5 749 518 A (WANG YULIS) 12 May 1998 (1998-05-12) column 2, line 37 - line 65 figures -----	10,11, 49,50
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PCT/GB 03/05146

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2 384 142 A (BAHRTON PER) 13 October 1978 (1978-10-13) figure 1	5
Y	US 5 722 599 A (FRIES MICHAEL ALLEN) 3 March 1998 (1998-03-03) the whole document	10
Y	US 3 529 616 A (DAVIS JOHN CHRISTOPHER HAMMOND) 22 September 1970 (1970-09-22)	23,24
A	column 1, line 60 - column 2, line 13 figures	25,26
Y	US 2 701 738 A (CERASI VINCENT C) 8 February 1955 (1955-02-08) the whole document	49
A	US 3 760 828 A (KAWABATA M) 25 September 1973 (1973-09-25) the whole document	1
A	US 3 717 164 A (GRIFFIN W) 20 February 1973 (1973-02-20) column 3, line 60 - line 75; figure 2	1

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-11, 17-51
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9,27

Fountain with fluidic diverter with two outputs and a vortex valve, wherein one output is connected to a tangential port of the vortex valve and the other is connected to a radial port. Whereby the fountain produces alternatively a vortex spray or axial jet.

2. claims: 10-11,49,50

Fountain wherein means to deflect the vortex spray (spray catcher or nozzle with diffuser) are located downstream the nozzle.

3. claims: 12-13

Fountain comprising two parallel vortex valves wherein each radial port is fed by a water supply and each tangential port is fed by one of the respective outputs of a fluidic diverter.

4. claims: 14-15

Fountain with two parallel fluidic diverters connected to one vortex valve.

5. claim: 16

Self oscillating nozzle.

6. claims: 17,18,28-34

Wind detection device.

7. claims: 19-26

Fountain with fluidic diverter having a control port wherein the control port is controlled manually, by a pilot diverter or by a logic circuit respectively.

8. claims: 35-43

Fountain display with various display elements.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

9. claims: 44-48,51

Fountain with loop and tap therebetween.

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2222856	A	18-10-1974	DE 2313980 A1 BE 812593 A1 FR 2222856 A5 IT 1003783 B	26-09-1974 15-07-1974 18-10-1974 10-06-1976
US 3776460	A	04-12-1973	NONE	
US 3595479	A	27-07-1971	NONE	
US 3267946	A	23-08-1966	NONE	
DE 20210103	U	24-10-2002	DE 20210103 U1	24-10-2002
FR 2392596	A	29-12-1978	FR 2392596 A1	29-12-1978
US 4978066	A	18-12-1990	DE 69026947 D1 DE 69026947 T2 EP 0487570 A1 ES 2085912 T3 HK 1006818 A1 JP 2002041 C JP 3077666 A JP 7016639 B KR 146279 B1 SG 46498 A1 WO 9102596 A1	13-06-1996 21-11-1996 03-06-1992 16-06-1996 19-03-1999 20-12-1995 03-04-1991 01-03-1995 17-08-1998 20-02-1998 07-03-1991
GB 1318992	A	31-05-1973	CA 985527 A1 DE 2019146 A1 FR 2039320 A1 GB 1318993 A JP 49038750 B ZA 7002599 A	16-03-1976 03-12-1970 15-01-1971 31-05-1973 19-10-1974 31-03-1971
DE 4439437	A	09-05-1996	DE 4439437 A1 FR 2726491 A1	09-05-1996 10-05-1996
US 3605778	A	20-09-1971	NONE	
US 3228410	A	11-01-1966	NONE	
US 4955547	A	11-09-1990	US 4905909 A AT 74802 T AU 2174788 A CA 1303100 C DE 3870103 D1 EP 0305996 A1 JP 1145406 A JP 2700166 B2	06-03-1990 15-05-1992 02-03-1989 09-06-1992 21-05-1992 08-03-1989 07-06-1989 19-01-1998
US 5749518	A	12-05-1998	NONE	
FR 2384142	A	13-10-1978	DE 2810643 A1 DK 116178 A FI 780818 A FR 2384142 A1 NO 780860 A	21-09-1978 16-09-1978 16-09-1978 13-10-1978 18-09-1978

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5722599	A	03-03-1998	NONE	
US 3529616	A	22-09-1970	NONE	
US 2701738	A	08-02-1955	NONE	
US 3760828	A	25-09-1973	NONE	
US 3717164	A	20-02-1973	NONE	